EAST Search History

Ref #	Hits	Search Query	DBs	Default Operator	Plurals	Time Stamp
S1	25	andrew near bocking.in.	US-PGPUB; USPAT	OR	ON	2007/05/14 10:31
S2	2	tim near tyhurst.in.	US-PGPUB; USPAT	OR	ON	2007/05/14 10:32
S3	794	"research in motion".as.	US-PGPUB; USPAT	OR	ON	2007/05/14 10:32
S4	6	S3 and (download$4 and identifier).clm.	US-PGPUB; USPAT	OR	ON	2007/05/14 10:33
S5	1	S3 and (download$4 and hardware and vendor).clm.	US-PGPUB; USPAT	OR	ON	2007/05/14 10:35
S6	9	("20020092014"|"20030018825"|"20030056207"|"20030135668"|"5901320"|"6189146"|"6452588"|"6489950"|"6496979").PN.	US-PGPUB; USPAT	OR	ON	2007/05/14 10:51
S8	3168	717/168-178.ccls.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/05/14 10:53
S10	462	S8 and (download$4 and vendor)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/05/14 10:56
S11	207	S10 and wireless	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/05/14 10:56
S12	46	S11 and handheld	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/05/14 11:05
S13	421	717/178.ccls.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/05/14 11:05

EAST Search History

S14	2	"6067582".pn.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/05/14 11:14
S15	388	S13 and (@pd<"20040225" or @ad<"20040225" or @prad<"20040225" or @rlad<"20040225")	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/05/14 11:19
S16	578	hardware adj identifier	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/05/14 13:11
S17	7	S16 and ((vendor or merchant) adj identifier)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/05/14 13:12
S18	95	S16 and (download$4 near3 (program or application or software))	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/05/14 13:17
S19	68	S18 and (@pd<"20040225" or @ad<"20040225" or @prad<"20040225" or @rlad<"20040225")	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/05/14 13:18
S20	33	("5247683" | "5337044" | "5392390" | "5414844" | "5497464" | "5522089" | "5542046" | "5555416" | "5564070" | "5598536" | "5625829" | "5664228" | "5666530" | "5666553" | "5684990" | "5717737" | "5721824" | "5721835" | "5727159" | "5727202" | "5742829" | "5790800" | "5812819" | "5845090" | "5860012" | "5864708" | "5887063" | "5896369" | "5918016" | "5958006" | "5974238" | "5974257" | "5983176").PN.	US-PGPUB; USPAT; USOCR	OR	ON	2007/05/14 13:45

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S21	24	(US-20060130054-$ or US-20030018825-$ or US-20030056207-$ or US-20020092014-$ or US-20030135668-$ or US-20030159136-$ or US-20040044999-$ or US-20040093595-$ or US-20040133887-$ or US-20040194081-$ or US-20030066066-$ or US-20040088700-$ or US-20050022182-$).did. or (US-5901320-$ or US-6496979-$ or US-6701521-$ or US-6067582-$ or US-5809251-$ or US-6687901-$ or US-6944859-$ or US-7062765-$ or US-5860012-$ or US-5845090-$ or US-5664228-$).did.	US-PGPUB; USPAT	OR	ON	2007/05/14 14:14
S22	12	S21 and (vendor or merchant)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/05/14 14:15
S23	6	("6067582" | "6178551" | "6347398" | "6374402" | "6389403" | "6496979").PN.	US-PGPUB; USPAT; USOCR	OR	ON	2007/05/14 14:18
S24	50	("5781724" "5974474" "6119156" "4614841" "5802362" "6018762" "4500960" "4933971" "4992940" "5255086" "5276860" "5329589" "5340969" "5410326" "5550816" "5555299" "5579529" "5592378" "5604904" "5619724" "5625694" "5661803" "5680456" "5684870" "5689799" "5705818" "5713009" "5722890" "5758068" "5777876" "5784443" "5793853" "5822565" "5862324" "5884024" "5892955" "5893111" "5933829" "5937051" "5946700" "5956699" "5958027" "5963915" "5974554" "5982896" "6006200" "6005945" "6016478" "6023683" "6049670").pn.	US-PGPUB; USPAT	OR	ON	2007/05/14 14:32
S25	3	("20020015090"|"20030028542"|"20030041125").PN.	US-PGPUB; USPAT	OR	ON	2007/05/15 07:59

EAST Search History

S26	26	(US-20060130054-$ or US-20030135668-$ or US-20030056207-$ or US-20030018825-$ or US-20020092014-$ or US-20040194081-$ or US-20040133887-$ or US-20040093595-$ or US-20040044999-$ or US-20030159136-$ or US-20030066066-$ or US-20050022182-$ or US-20040088700-$ or US-20030041125-$).did. or (US-6496979-$ or US-5901320-$ or US-6178551-$ or US-6067582-$ or US-5845090-$ or US-6701521-$ or US-5860012-$ or US-5664228-$ or US-7062765-$ or US-6944859-$ or US-6687901-$ or US-5809251-$). did.	US-PGPUB; USPAT	OR	ON	2007/05/15 17:30
S27	3	S26 and (identifier near3 file)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/05/15 17:31
S28	13	S26 and vendor	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/05/15 18:41
S29	1	S26 and (wireless near3 vendor)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/05/15 18:42
S31	2	ep-811942-$.did.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/05/16 10:36
S32	2	"6151643".pn.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/05/16 10:39

Terms used **server client download** Found **23,250** of **201,062**

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1 Frameworks for component-based client/server computing
Scott M. Lewandowski
March 1998 **ACM Computing Surveys (CSUR)**, Volume 30 Issue 1
Publisher: ACM Press
Full text available: pdf(243.81 KB) Additional Information: full citation, references, citings, index terms

2 Transaction-centric reconciliation in disconnected client-server databases
October 2004 **Mobile Networks and Applications**, Volume 9 Issue 5
Publisher: Kluwer Academic Publishers
Full text available: pdf(205.54 KB) Additional Information: full citation, abstract, references, citings, index terms, review

As mobile computing devices become more and more common, mobile databases are becoming popular. An important feature of these database systems is their ability to allow optimistic replication of data by providing disconnected mobile devices the ability to perform local updates. The key problem to this approach is the reconciliation problem, i.e. the problem of serializing potentially conflicting updates from disconnected clients on all replicas of the database. Reconciliation of conflicting u ...

Keywords: databases, disconnected operation, reconcilation, serializability testing

3 Provisioning: Design, implementation, and evaluation of a client characterization driven web server
Balachander Krishnamurthy, Yin Zhang, Craig E. Wills, Kashi Vishwanath
May 2003 **Proceedings of the 12th international conference on World Wide Web WWW '03**
Publisher: ACM Press
Full text available: pdf(184.71 KB) Additional Information: full citation, abstract, references, citings, index terms

In earlier work we proposed a way for a Web server to detect connectivity information about clients accessing it in order to take tailored actions for a client request. This paper describes the design, implementation, and evaluation of such a working system. A Web site has a strong incentive to reduce the 'time-to-glass' to retain users who may otherwise lose interest and leave the site. We have performed a measurement study from multiple client sites around the world with various levels of conn ...

Keywords: apache server, client classification, content delivery, httperf, server adaptation, web performance

4 A speed-based adaptive dynamic parallel downloading technique

Zhou Xu, Lu Xianliang, Hou Mengshu, Zhan Chuan
January 2005 **ACM SIGOPS Operating Systems Review**, Volume 39 Issue 1
Publisher: ACM Press
Full text available: pdf(549.83 KB) Additional Information: full citation, abstract, references, index terms

In this paper, we describe adPD, an improved parallel downloading approach for Peer-to-Peer environment. adPD assigns each server equal portion of file as large as possible, and ensures client downloading from each server without interrupt. And after faster servers finish their own work, adPD reallocates part of unfinished work of some slower servers to them. This reallocation is proportional to the ratio of server speed. By this means, adPD dynamically adjusts the proportion of a file retrieved ...

Keywords: adaptive, dynamic, parallel download, peer-to-peer

5 Mobility & wireless access: Web browsing performance of wireless thin-client computing

S. Jae Yang, Jason Nieh, Shilpa Krishnappa, Aparna Mohla, Mahdi Sajjadpour
May 2003 **Proceedings of the 12th international conference on World Wide Web WWW '03**
Publisher: ACM Press
Full text available: pdf(239.90 KB) Additional Information: full citation, abstract, references, citings, index terms

Web applications are becoming increasingly popular for mobile wireless systems. However, wireless networks can have high packet loss rates, which can degrade web browsing performance on wireless systems. An alternative approach is wireless thin-client computing, in which the web browser runs on a remote thin server with a more reliable wired connection to the Internet. A mobile client then maintains a connection to the thin server to receive display updates over the lossy wireless network. To as ...

Keywords: thin-client computing, web performance, wireless and mobility

6 The internet vs e-commerce servers: when will server performance matter?

D. Krishnamurthy, J. Rolia
November 1998 **Proceedings of the 1998 conference of the Centre for Advanced Studies on Collaborative research CASCON '98**
Publisher: IBM Press
Full text available: pdf(113.14 KB) Additional Information: full citation, abstract, references, index terms

The cycle time of an Internet based online shopper includes time at an electronic commerce (e-commerce) server to gather information and purchase products, download time to transfer data over the Internet, and think time for interpreting the results of individual requests. Currently most home based shoppers are limited to 56.6K modems and have cycle times largely determined by download time. Mega-bit (Mb) modems will soon be commonplace and will cause a significant reduction in the download time ...

7 Special session on mobile computing #2: An N-Tier Client/Server course: a classroom experience

Tacksoo Im, Mario Guimaraes, Ken Hoganson
April 2004 **Proceedings of the 42nd annual Southeast regional conference ACM-SE 42**
Publisher: ACM Press
Full text available: pdf(363.98 KB) Additional Information: full citation, abstract, references, index terms

This paper describes the results and the lessons learned from implementing CS8628: N-Tier Client/Server systems. This is a new graduate level course offered for the first time in

the summer of 2003 and it is intended to introduce fundamental concepts of client/server systems. The course focused on building "real-life" client/server systems using database management systems, middleware, a PDA (Personal Digital Assistant) and synchronization tools. This paper also describes the organization and fo ...

Keywords: Client/Server, DBMS, JDBC, N-Tier, ODBC, PDA, SQL, database, download, middleware, upload

8 Client-server computing in mobile environments

Jin Jing, Abdelsalam Sumi Helal, Ahmed Elmagarmid
June 1999 **ACM Computing Surveys (CSUR)**, Volume 31 Issue 2
Publisher: ACM Press

Full text available: pdf(233.31 KB) Additional Information: full citation, abstract, references, citings, index terms, review

Recent advances in wireless data networking and portable information appliances have engendered a new paradigm of computing, called mobile computing, in which users carrying portable devices have access to data and information services regardless of their physical location or movement behavior. In the meantime, research addressing information access in mobile environments has proliferated. In this survey, we provide a concrete framework and categorization of the various way ...

Keywords: application adaptation, cache invalidation, caching, client/server, data dissemination, disconnected operation, mobile applications, mobile client/server, mobile compuing, mobile data, mobility awareness, survey, system application

9 Flexible control of downloaded executable content

Trent Jaeger, Atul Prakash, Jochen Liedtke, Nayeem Islam
May 1999 **ACM Transactions on Information and System Security (TISSEC)**, Volume 2 Issue 2
Publisher: ACM Press

Full text available: pdf(297.79 KB) Additional Information: full citation, abstract, references, citings, index terms, review

We present a security architecture that enables system and application a ccess control requirements to be enforced on applications composed from downloaded executable content. Downloaded executable content consists of messages downloaded from remote hosts that contain executables that run, upon receipt, on the downloading principal's machine. Unless restricted, this content can perform malicious actions, including accessing its downloading principal's private data and sending messages on th ...

Keywords: access control models, authentication, autorization machanisms, collaborative systems, role-based access control

10 Supporting mobility in publish/subscribe middleware: Client mobility in rendezvous-notify

Sasu Tarkoma, Jaakko Kangasharju, Kimmo Raatikainen
June 2003 **Proceedings of the 2nd international workshop on Distributed event-based systems DEBS '03**
Publisher: ACM Press

Full text available: pdf(254.15 KB) Additional Information: full citation, abstract, references, citings, index terms

Event-based computing is vital for the next generation mobile services and applications that need to meet user requirements irrespective of time and location. The event paradigm is a form of asynchronous one-to-many communication and allows clients to receive information that matches their interests through filtering. Event-based communication is a good candidate for mobile computing, because it is asynchronous and

supports disconnected operation. However, user and terminal mobility present prob ...

Keywords: distributed events, mobile computing, session handover

11 Performance Workload Char. and Adaptation: Improving web performance by client characterization driven server adaptation

Balachander Krishnamurthy, Craig E. Wills

May 2002 **Proceedings of the 11th international conference on World Wide Web WWW '02**

Publisher: ACM Press

Full text available: pdf(241.76 KB) Additional Information: full citation, abstract, references, citings, index terms

We categorize the set of clients communicating with a server on the Web based on information that can be determined by the server. The Web server uses the information to direct tailored actions. Users with poor connectivity may choose not to stay at a Web site if it takes a long time to receive a page, even if the Web server at the site is not the bottleneck. Retaining such clients may be of interest to a Web site. Better connected clients can receive enhanced representations of Web pages, such ...

Keywords: client characterization, client connectivity, server adaptation

12 Measuring thin-client performance using slow-motion benchmarking

Jason Nieh, S. Jae Yang, Naomi Novik

February 2003 **ACM Transactions on Computer Systems (TOCS)**, Volume 21 Issue 1

Publisher: ACM Press

Full text available: pdf(871.62 KB) Additional Information: full citation, abstract, references, citings, index terms

Modern thin-client systems are designed to provide the same graphical interfaces and applications available on traditional desktop computers while centralizing administration and allowing more efficient use of computing resources. Despite the rapidly increasing popularity of these client-server systems, there are few reliable analyses of their performance. Industry standard benchmark techniques commonly used for measuring desktop system performance are ill-suited for measuring the performance of ...

Keywords: Thin-client computing, client-server, measurement methodology, multimedia

13 Short papers -- works in progress: Pvault: a client server system providing mobile access to personal data

Ravi Chandra Jammalamadaka, Sharad Mehrotra, Nalini Venkatasubramanian

November 2005 **Proceedings of the 2005 ACM workshop on Storage security and survivability StorageSS '05**

Publisher: ACM Press

Full text available: pdf(134.27 KB) Additional Information: full citation, abstract, references, index terms

In this paper we describe the design for the *Pvault* software, which is a personal data manager that stores and retrieves data from a remote untrusted data server securely. The major advantage of *Pvault* is that it allows users to access their personal data from any trusted remote computer. We will describe the issues and solutions for maintaining data confidentiality and integrity when the data is stored at the remote sever, since the server itself is untrusted. *Pvault* also p ...

Keywords: cryptography, database, encryption, mobile access, secure sharing, secure storage, security, untrusted service provider model

14

A multiplatform/multilanguage client/server project
William Shay
February 2002 **ACM SIGCSE Bulletin , Proceedings of the 33rd SIGCSE technical symposium on Computer science education SIGCSE '02**, Volume 34 Issue 1
Publisher: ACM Press
Full text available: pdf(354.87 KB) Additional Information: full citation, abstract, references, citings

This paper introduces a more general client/server example than is typically described. Whereas many client/server examples often involve communication between two C programs or two Java programs, this paper describes a program demo containing two clients (one in C and one in Java) and two servers (one in C and one in Java). Furthermore, either client is capable of connecting to and downloading a file from either server using a socket connection over the TCP/IP protocol. None of these programs m ...

15 Session 4: Securing the download of radio configuration files for software defined radio devices
Alessandro Brawerman, Douglas Blough, Benny Bing
October 2004 **Proceedings of the second international workshop on Mobility management & wireless access protocols MobiWac '04**
Publisher: ACM Press
Full text available: pdf(150.74 KB) Additional Information: full citation, abstract, references, citings, index terms

Radio configuration (R-CFG) files for software defined radio (SDR) devices can be downloaded over the air, allowing these devices to support multi-mode functionality using a single transceiver. SDR device manufacturers are likely to provide the R-CFGs, which may contain proprietary information. In such cases, it is necessary to secure the server/SDR device connection during the R-CFG download. Therefore, a protocol to securely connect manufacturer's server and SDR devices, called LSSL, is propos ...

Keywords: analysis of protocols, radio configuration, security and privacy issues and software

16 Mobility: Improving web browsing performance on wireless pdas using thin-client computing
Albert M. Lai, Jason Nieh, Bhagyashree Bohra, Vijayarka Nandikonda, Abhishek P. Surana, Suchita Varshneya
May 2004 **Proceedings of the 13th international conference on World Wide Web WWW '04**
Publisher: ACM Press
Full text available: pdf(433.53 KB) Additional Information: full citation, abstract, references, citings, index terms

Web applications are becoming increasingly popular for mobile wireless PDAs. However, web browsing on these systems can be quite slow. An alternative approach is handheld thin-client computing, in which the web browser and associated application logic run on a server, which then sends simple screen updates to thePDA for display. To assess the viability of this thin-client approach, we compare the web browsing performance of thin clients against fat clients that run the web browser locally on a P ...

Keywords: thin-client computing, web performance, wireless and mobility

17 On secure and pseudonymous client-relationships with multiple servers
Eran Gabber, Phillip B. Gibbons, David M. Kristol, Yossi Matias, Alain Mayer
November 1999 **ACM Transactions on Information and System Security (TISSEC)**, Volume 2 Issue 4
Publisher: ACM Press
Full text available: pdf(161.56 KB) Additional Information: full citation, abstract, references, citings, index terms, review

This paper introduces a cryptographic engine, Janus, which assists clients in establishing and maintaining secure and pseudonymous relationships with multiple servers. The setting is such that clients reside on a particular subnet (e.g., corporate intranet, ISP) and the servers reside anywhere on the Internet. The Janus engine allows each client-server relationship to use either weak or strong authentication on each interaction. At the same time, each interaction preserves privacy by neithe ...

Keywords: Janus function, anonymity, mailbox, persistent relationship, privacy, pseudonym

18 Understanding the management of client perceived response time

David Olshefski, Jason Nieh

June 2006 **ACM SIGMETRICS Performance Evaluation Review , Proceedings of the joint international conference on Measurement and modeling of computer systems SIGMETRICS '06/Performance '06**, Volume 34 Issue 1

Publisher: ACM Press

Full text available: pdf(343.30 KB) Additional Information: full citation, abstract, references, index terms

Understanding and managing the response time of web services is of key importance as dependence on the World Wide Web continues to grow. We present *Remote Latency-based Management* (RLM), a novel server-side approach for managing pageview response times as perceived by remote clients, in real-time. RLM passively monitors server-side network traffic, accurately tracks the progress of page downloads and their response times in real-time, and dynamically adapts connection setup behavior and w ...

Keywords: QoS, admission control, client perceived response time, web server performance

19 Industrial: Scalable synchronization of intermittently connected database clients

Wai Gen Yee, Ophir Frieder

May 2005 **Proceedings of the 6th international conference on Mobile data management MDM '05**

Publisher: ACM Press

Full text available: pdf(258.18 KB) Additional Information: full citation, abstract, references, index terms

Synchronization performance is a major problem with intermittently connected mobile databases. A server periodically generates update files for each client, which are downloaded and applied when convenient. Unfortunately, the time required to synchronize clients in this way increases drastically with client population. We show that this trend could be altered by appropriately modifying the way that update files are designed, resulting in significant performance improvements.

Keywords: mobile computing, performance, scalability, synchronization

20 Factoring a mobile client's effective processing speeed into the image transcoding decision

Richard Han

August 1999 **Proceedings of the 2nd ACM international workshop on Wireless mobile multimedia WOWMOM '99**

Publisher: ACM Press

Full text available: pdf(897.48 KB) Additional Information: full citation, references, citings, index terms

Keywords: CPU, PDA, image processing, mobile, partitioning, proxy, transcoding

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